
CHANGES IN THE HYDROLOGICAL BALANCE CAUSED BY CLIMATE CHANGE IMPACTS IN THE KARLOVY VARY DISTRICT

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In the Karlovy Vary district, areas with lack of drinking and industrial water were identified. Since 2015, in cooperation of TGM WRI, p. r. i., and state enterprise Povodí Ohře a project called „Increasing water resources availability in selected regions of Karlovy Vary district“ is financed. The objective of the project is development of methods for proposal of adaptation measures leading to increasing reliability of water resources in the periods of water stress using existing infrastructures as much as possible. The methods will be verified on pilot basins in Karlovy Vary district. The paper describes observed changes in the hydrological balance components and future changes (2021–2050 and 2071–2099) in the hydrological balance components caused by the climate change impacts on the area of Karlovy Vary district.